

ABSTRACT OF DISCLOSURE

An off-track retry method for recovering data incorrectly read due to a read error caused by an off-track error in a disk drive. The off-track retry method includes extracting read gain characteristics while varying an off-track amount, determining an off-track amount, i.e., off-track direction and degree, based upon the read gain characteristics, reading data using the determined off-track amount, and determining whether the read data is normal and determining whether the data incorrectly read due to the read error has been recovered based upon the result.